Title (en)

SEQUENTIAL ION CHROMATOGRAPHY AND CONVERSION SYSTEM.

Publication

EP 0634011 A4 19950215 (EN)

Application

EP 94909486 A 19940124

Priority

- US 9400854 W 19940124
- US 1253693 A 19930202

Abstract (en)

[origin: WO9418555A1] Apparatus and method for ion chromatography having a chromatography column (10) followed by a suppressor (11) for converting the eluent electrolyte to weakly ionized form and converting analyte ions to acid or base form. First detection of analyte ions occurs in a first conductivity detector (12) followed by conversion of the analyte ions in acid or base form to salt form in a salt converter and subsequent detection in a second conductivity detector (32). Comparison of signals from the two detectors (12, 32) provides additional information about the analytes.

IPC 1-7

G01N 30/02

IPC 8 full level

G01N 30/02 (2006.01); **G01N 27/02** (2006.01); **G01N 30/64** (2006.01); **G01N 30/78** (2006.01); **G01N 30/84** (2006.01); **G01N 30/96** (2006.01); G01N 30/60 (2006.01)

CPC (source: EP)

G01N 30/64 (2013.01); **G01N 30/96** (2013.01); G01N 30/78 (2013.01); G01N 2030/8435 (2013.01); G01N 2030/965 (2013.01)

Citation (search report)

- [X] BERGLUND ET AL.: "two-dimensional conductometric detection in ion chromatography. postsuppressor conversion of eluite acids to a salt", ANALYTICAL CHEMISTRY, vol. 64, no. 23, 1 December 1992 (1992-12-01), COLUMBUS US, pages 3007 - 3012, XP000331187, DOI: doi:10.1021/ac00047a023
- [PX] BERGLUND ET AL.: "two-dimensional conductometric detection in ion chromatography: sequential suppressed and single column detection", ANALYTICAL CHEMISTRY, vol. 65, no. 23, 1 May 1993 (1993-05-01), COLUMBUS US, pages 1192 - 1198, XP000368537, DOI: doi:10.1021/ac00057a015
- See references of WO 9418555A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

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